

Cell Structure Lab

Name _____ Date: _____

Table: _____ Section: _____

Pre Lab Questions:

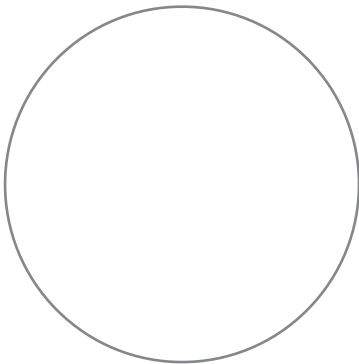
1. What is the function of chloroplasts?
2. Name two structures found in plant cells but not animal cells.
3. Name three structures found in plant cells AND animal cells.
4. What structure surrounds the cell membrane (in plants) and gives the cell support.

Part A: Cheek Cells

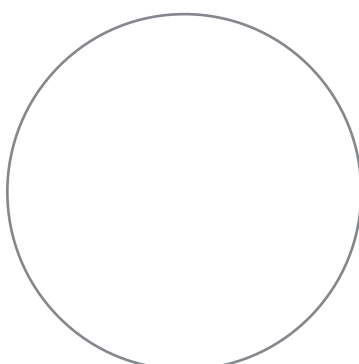
Obtain a slide, coverslip, and using a toothpick, gather a sample of cheek cells to add your slide. When ready, ask Mr. Landry to stain the cells for you to use.

Observe under the microscope at 4X, 10X and 40X, sketching what you observe and identifying the following organelles: cell membrane, nucleus, cytoplasm.

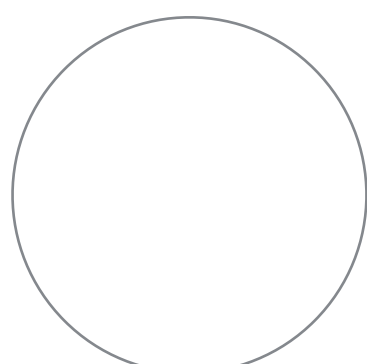
4X



10X



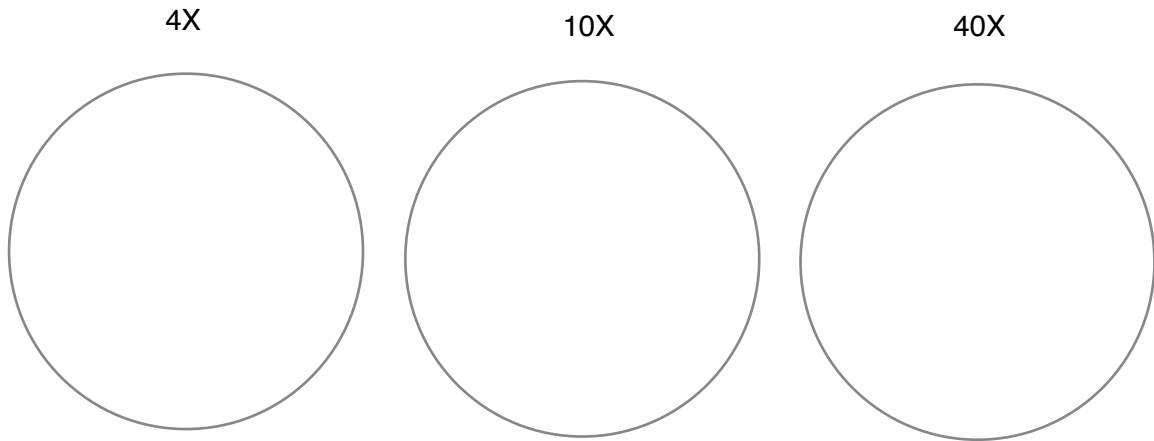
40X



Part B: Elodia Plant

Obtain a slide, coverslip, and a single leaf of elodea to add your slide.

Observe under the microscope at 4X, 10X and 40X, sketching what you observe and identifying the following organelles: cell membrane, cell wall, chloroplasts, cytoplasm.



Post Lab Questions

1. Describe the shape and the location of chloroplasts.
2. Describe the shape and the location of the nucleus.
3. Which type of cell was smaller - the cheek cells or the elodea cells?
4. Describe the differences and similarities between the cheek cells and the elodea cells in two ways.